

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:163	Early	LPZ-099	AGGTGACCGTGGACAACTCTAGAACAGGCATAGCTTTCATGTTTCAGTTGTTTTAA AGAGCAGTCCTCGCAGCAGATCGTGCAGCTTCCTGCTTCACITCCGTTGATTTTCC TGATCTGAAATACCCGTAACCTTGCTGAAGAACCCAAATACTTAATAGCGTCTCTAA ACAAAA
SEQ ID NO:164	Late	LPZ-100	AGGTGACCGTGCCTGAAACCAAAGAGAATGACAAAAGCGTCATTCACTGCCCCAA CTAATGTGTTTGTCACTGGAGCATTATACTAGAGCTATCTACAAGCCAAAACAGTG TTTGGGAGAGATTCCATAACGTCATTGCCTCTGCTACACATCATTGTTGCCAA TAATGAAGCCACGTGCTAAGGACATTGAGAGAATCTTATAAAACAAGAAATATAGTA AATTGGGAAATGCATTTTATCGTCTAACCTGCTTTCCTGAAAGTACTTGGAGAAACA AAAACCTTGCTATTAATGGCTCAAACAACCTTGATAAATGCCGCAGAACTTAATTC TGAAATTTTGC AAACATCAATAGCGCGCACTCTTCAAATATAAAACCTTGGAGAAG TCTGTATAGCAGCTCACATGGTCATTCTTAATTCACACCATGCAATTATTCATCCCTT TACTTGCAAGAACCTTATAACTATTCTGGTTCACCGATGCAGTTGTTATCTCAACGT TTCCCATTTGATGATCTTTGAAAATATAGATAAAGTTACTCGTTTGCACAGTAGCTC CATATTTCTGCAACCTTCAATTTTGGATACTGAACCACTTGACACATTCCAATCATGTC TTTTAACTTCAGTGTTTAAGAGTATGCTTAGTTTTACAACTTTTAAAGTCTTCCCTA GCTGTAACGGTCAAC
SEQ ID NO:165	Middle	LPZ-101	AGGTGACCGTAAAATACCATGAGAAATGCTTTCATCAGGCACCGCTGGTAGGTTTT CTTAAGCTTTTTATTAGGCCAAAAGAGGCTCCGTGAGTTGATCGTTAATTCCTCCTT GAATGCCATATTGACCAGACACTCTGATTAGAACTGGAATACAACCTGCACATATAG TCATTCTATATGATTCATCCTTCTGCACTTCAGCATCCTGCGGCAACTCTTCATCCC GCCATACTGAGAAAAATTATTTGACTCTTGATCATGTGTAGATGAATCTTCATGAAT CTTCTCATCTTCATTCTTGCTTTTATATCTTTAGGAAGTGCATCTGGTAAAAGTATAA ATGCATCTTCACGGGTGCTTCAGTTTTTGCATGCTCCCGGTTCTTCTTGTTAGCAT GTGGATCTAGCAAATCACTAAATGTAGTTCTCTCAATTGGTCTGGTGGAAATTCCTCC TCAATTCGAGAATTACGAATCATCATACCTGAGTAATATATGTTGCCCTGTACATGC ATATGCTGGTTTTTGGCTCCACCATCTCCAAAGGGCTCAAAACTATGCCACCCC TGTTGCCGTAGTGGAAGGTTATACATTGCGTTCCAGTAGCCACGGTCAAC
SEQ ID NO:166	Middle	LPZ-102	AGGTGACCGTGGAGGGGCTCCACTTATATGCATAGATGATGCTGCGAGGCTGTGT TCATCTGGTCCAATGGAGAAGGGGAAGACCAAGTGCCTATCCTGATTTTGGTGCC GCTTGTTCTGGTGTACAGAATATCAACCCAGGGTATGTACCATCACTTCGTGAGAC GTTACATTTCCCACTTCTTGGTGGAGCTGGTGGAAAGCCTGGAACCTCATCAAT CTATCGTTGGTGTGAGGATGATCAGGCTCTGTACTTATATCCATGATAGTGCAGC AGGTGGTGGAGATGTCTCTGATAAGTTGGGGGTTGATACTGGTTGATCATTTTGC AGTGATGTTCCCCCGCTGCCCTTAATTGCTATTGATCCATCATTAACATAGGTTTT TACTCGCCCGGAATAAGACAATCTTTGACACTTGTGCTTGGGTCAAC
SEQ ID NO:167	Early	LPZ-103	AGGTGACCGTGGCGCCTGACCTGTGCAGAATCCATTCTCATGGATACAATACTGTT AAGTTTGCTTTGCTTTGCTTGAAGGATCTGAATTGAAAAATTGTCCCAATTCCTG TTTCGTTAAAAATGACCTCAATCACTCTCGACAGTTTCCAGATCTTGATTGGGAGCG TCCTCTCCTCTCTCAAGATGTTGTTGACCAAATTCAGGGCGACTTGTGGCCAGAAA TCGTACATTCTGCCATCTACCTGTTATTGAGCTCCCCGATTATATGCGCTTTTGAC GGTCAAC
SEQ ID NO:168	Middle	LPZ-106	AGGTGACCGTCAATACCATTAACTGGGGATTGCTCTCAACAAGTCAACATGCTAA CCTCACAGCTCCAATCAAACAACGTCCGTGGAAGGGCGCTCACACTCATCCAAATT ACTTCCCTCTGCAAGACTCACAAAATCAGATTCTTCATGAATTGCTCAAACGAGGCT GTTATGGATGATGCAGCTGATTACTCAAGTGACAGCACTCTGAATCCCCGTCCCAT ATATAGCGACGCGGCGTTTTCAGCCGTGACTGGTGCACACGCTCAGTGGGACAA AAGGCCAGAAGCCCCCAAGTTCTCACGGTCAAC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:169	E,L	LPZ-107	AGGTGACCGTGTGCGATGTTGTTAGATGTGATTAGGGTTTTATTTCTTGATACAGATG CACTGTTTCTCTGTTTATTCTTTATTTCTTCAATGTATGTTGTCAAATTATACTTAGT CA1GATCTCCTTTTATCGTTTCGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAG TTTAAACAATTAAGGGGAAATTAGGCCATATCAGCTTGTGCTATGGACCCACATGC ACTGTAGGTCAC
SEQ ID NO:170	Middle	LPZ-108	AGGTGACCGTATGCAGAGTCAAGGTTTAGTTCCTTCAGAGCCTGCCCCGAGTAGCA CTGAGGCAGCTCAAGCCATTTACGTAGGAAGCCCAACAACAAATAGAAATCAGAG TGAGTCTTTGATCGAGTAACCCATAAGTTCTTAGCTCCCGTTCCATCTTAACATAAG CATTTTCTCGTCTTCTCGCAGCCGT
SEQ ID NO:171	Late	LPZ-109	ATTGCAGAGGACTTAGAGAGGGAAAACCGTTCCGATCTGGTGAAGCAATTGGATGA AGCGCTCTGGAATTGATTCCCGTTTCTGATGATATCGTACGGCTAAGCTCAGCTCT TCAGGCATTGGCAGACAATACGATTCTTCAAATGAGATGACAGATTTTAAGAACTT ATAGGATGACATATTTCTAGCTTGAAGCGGATCCCCCTACGGTCAC
SEQ ID NO:172	All	LPZ-110	AGGTGACCGTCCGATAAAGGATGAGAATATAGGTAGATCAACCCAAAAACACTCTC AGAAAACGATTAAAGCCTAACCCCAAGATCGTTGAGTAAATTTAACCCGGTAACCTC CACATAAAATATACTTAGCAACAATAAACTCAACAACATAACTATCCCTTTAAATTA AATTATCCTTATTATTTAAAAAACAAATCCTTTATATACTAAGGTCCCCTGCACAT CTATTACTAAGGTAAAGGAAGGGAATTATATGCTATCATTGTAACTTTGACTCCG TATTTATGATCAGACCATGAGTTTGATAATTAATTTACGCTCTTTACTCCCCATTCA AGGCACGTGCCTGGTGATATATGAACGCCAAATTATT
SEQ ID NO:173	Late	LPZ-111	AGGTGACCGTAGAATACAATCTATGTATCAAAATGCTAACAAAGAGAATTTGTTGTC TAGCTTGTAATATACAAAAGAACTCTCACAAGGAGTGAGAAGCACTAAGGCCCT TGAAAGAATACGTTTCTATTACGCGGAGTGATTTTGAGCTACGGCTTGGCACA CTCATCTATAAAACAAGACTCTGTGAGAGGGCAGAGACCTTGATCCTGGGCGTG GCAAGCCGGGTGCCTATTGCGGTAAAATCGAGAAGGGGGACCCCTGGAAGAGAG GCTGAAATTTGTTTCATTCTGCAACTGAAACCTAACCGGAGGCCGAATCTGATCATT TCTAAGACCTTTGGGGTCTGGGCATCCCATTAAGAAGACGCTGCTAACTCTCCCC TCCACAAAGGGCCAATGCGCTCAGGTCGGGCTTCTCATCTTCACATTTCTTGCCGA AATCTATCTGAATTTGTTGTATTGAATAACACTGCCTCCTACACGGTCAC
SEQ ID NO:174	Late	LPZ-112	AGGTGACCGTGGGCGCCGTGGCTCAAAAGGCCCTCGCAGACGCCCGCTCCATCA AGCTCATGGGCCCCCTCCACCCTCGGGGGGCAAGCCGGAACTTGCTGTGAGA CGAGGCGAGGACCTGGAACCTGCCGTTGAAGGAACGGTTCTATATTACGCCCTCT CGGCGGACCAGGCGCTGCGAGAGCCAAGGAATCCGCGGAAGCAATCCTGGAGG TGAAAAAGCTGATAGATAAAAGGCGTGGCCGTACGTCCAGAACGACCTCCGCTCC AAGGCTTCTTACCTTCGCTACGACTCAACACCGTTATCTCCTCAAAGCCCAAGGAA CAGAAAAAACCCCTCAAAACCTCACCCCAAGCTTTTTTGACACCTTGACAAACCT GGACTACGCTGCAAGGAGCCAAGGATACCCCAAGGGCAGAAAAAATCTTTGCAG AAGCTGGTGAACCGCCCTTAATGATGTTTCATTCCAAGCTTGGTTAAGCTGTATTGC ACTCATTGTTAACCACACTTAACGCCAATCCAATCTATGCTGTGTTGCATCTCCACT TCTTAGTTAATAACGTTCTGTGTTCCCAACTCTGTGCCACACACGGTCAC
SEQ ID NO:175	All	LPZ-114	AGGTGACCGTACAATACAAATAGGTAGTTTATCACATTGTAGCTTATAGAATGTACA ATTGAAATCAAATAAATCAACCAAACTCAAATAATATGATCATGTGCTCCTCACCTT CTCAGCAAACTCGTAGAGCAGAAAAAGGATTATGTTAAATCACAGTTCACACATTA GGGTAAATCCCCTAAATGACCTCTCTTCAATATCCAAGTATCTGACACCAACATAT TTCAAACAAATAGTGCAAAAAGGAATGGTGAAGTAAATAGTCAAACTAAAAATA AGCTTAAATTTCTCACATGTTTGAATATGTGCACCACAAATTTTGTAGTGTATCA AAATGCATGTAATCAACTTGCCGTGTATATAATTTACACAATATCCGTAATTTTG CAATTCCTTATGAGCATTTTCATGTCTAGAGATTGCAATGACTTGGCTACAAACATGT TTCTCTACACAAGATCACAATATTTAGTCAGGACACGAATTGCAATGGGGATTCTCA CAAGCATCACAAGTCATCTCCCATGTAATAAAATTTGTTTAAAT

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SEQ ID NO:176	Middle	LPZ-115	AGGTGACCGTATAGTGCATATTCAGATTGCAATTACAGACGTATTAGAACCAGATT TCGCTTCGATACAGCTCATCGAGAGCAACAGAGATCCAGATCAAAAACCAGACACA GTTTAAGAACATCGAAATACCAAGCCCAGGGACAGTTACCAGCATATAGCTCTACC ACCAACAGATTATTACAGAACCAAAACATAAGACCACTTGCAGACAAAATAAACCC TAACGCAGAACGTGGCAACTATCTCCTCCAGCTACCACCATCGGAACCACCACCAC CATAGCGAGAACCCACCACCACCATAGCCGCCACCGCCACCACCATAACCACCA CCACCACCACCACTGTACCGCCACTACCGCCATAACCACGGTCAC
SEQ ID NO 177	E,L	LPZ-116	AGGTGACCGTCCTTGGAGATACCAGCTTCAAACCTCCAGTGGTGGAGTCGATGAT CAA1ACTGCACAGTCAGCCTGAGATGTTCCAGTAATCATGTTCTTGATAAAATCACG ATGGCCGGGGCATCAATCACAGTGCAGTAGTATTTAGTTGTCTCAAACCTCCAGAG TGCAATATCATTGTGATACCACGGTCAC
SEQ ID NO:178	E,M	LPZ-117	AGGTGACCGTATAGTAGGAACCTTTAGGTGCTTTGGTGGCACTCTCCAATTTTCATG TCCTTACATACCCCACTACGGAGAAGGGTAGCCCAAGATTTGAACCCAAGACTTCC GGTTCGTGAGACTTCATTTCACGGTCAC
SEQ ID NO:179	All	LPZ-118	AGGTGACCGTAAGATCAAGAGCACAGAAAGCAGCCATAGCCCCGCCATTGAATG CCCATAACAATAATCTGTAACCCATCTCTGTTTCTGAGCTTCTGAACTGCTTCT ACAACAGTGGTCGTAAGGTTGTGTTGTGATAAGCAGAGTAAATCCATAATGTACC ATTGCACCAGCATATTAGGATAGTTGAGATCAAGTGTCTTACAGAATAAATCCTCCA CCCAATTCTGTAGCTCCTTTCTTGAGTACCCCTGAATGCAATTACAATTGCATTGAT ATCTTCTGCCACACCACAAAAGCCTGAAGGCAGTGTGTACATCAACTATAAGCTCT ACCACCTGAAAACCCAGTCAAACCATTGCACCTAGAACAAGTCCAAGACATTAGA GCACTCAAATCATCCATA1AGACCGCAGAAGCATATTGCACAAGTATCTCAGCAAGT GTTTCATTATAGACATGGCCA1GGTCAC
SEQ ID NO:180	Middle	LPZ-119	AGGTGACCGTGGGAGGGGAGATTTTGTATTATATTCCAATATAAAGAAAATCTA NGTTGTAAGGACATGGCAAGAGCTCTTATTTCCGGGGTTTTAGCCGTGGCCCGGA GCGGATGAAAGCAAATGTAAGTCACTCCGTGCTTTCTCGGCATTTGGACGCTTCTA CTCTACCGCACTACAGACGGGATTGAACCTCGCATCTCTGAGTGTGGTGGTCTTA CATGGCGGACTTGTTCCGCACCTCTGCGGACGTCAAATGCCGCGACGATAATCCC TTTGAGAACAGCGATACGGCAGAAAGATCGCCGTTGACGAAGCGAGAAAATATTG AGACTTGCAGATGTGGAGCTGAAGAAGAGCTTGAGTCGACGGTCAC
SEQ ID NO:181	Middle	LPZ-120	AGGTGACCGTCCGTTCCGGGTGTATTGTGCAACACGTAGGATGGTGCTACGTTGA AACCACCGTTACCTTCTTCGATATGTTATAGTTCGAGTTCATACGGAGGGAATACC GTTTGTAGTGTTATTCAGCACAAACCCCGTCCTGATTAACACCCCCGCAACCAAGG ACGTATTCGACGTTCCGGTATTGTTTGACACACTCAAGTTATAACCTGAATAGCGG CTACCCGAAGTAAGCATTGTACCAGTCGTTATTTTGCCTTCGTATTGCGAAGGATT TTGAAATATATCCGGACAGGCTGCAACCGATCTTCATAAACTCTTTCTTAACTGA GCAAACTGAACAGCATTAGCATTTTGACCCGACCTTTCATCGGCACCTGCTGCACA CCCGCATACGTATTAAGCTATGTTCTGCTGCGCCAGGTTTGCCTTTTTTGGTTGTAA TCAGGACAACGCCGTTAGCCGCCCGCGATCCGTAGAGCGACGTAGAAAGCCGCAT CTTTCAGCACGGTCAC
SEQ ID NO:182	Late	LPZ-122	AGGTGACCGTGAAATATGTGGGAGATGATATGTGGTTTCTGAATATTCACCTCTT GTGTAGAAAAGTGAGATCCTTAAGATGTTTTGCTAATAAGACTCTTAGGAATGTTGG ACCCCTTTCAGAAATGCCATTTGAATAGATTCAAGGTGGTAGCTGTTGCCTGGGGCT GTTTTAGGGTTTTAGGCCATGCTCTGTAATTTTATTGAGTCAAAATTGGATTAAGT GTGTCTTTTACCTCATAATAGCTACTGCAGTATTTGTCGATATAGCTTCCCTATTTAT TGACTCTCCTTAGGTACGGTCAC

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